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or 5980704 or 5981297 or 5992820 or 6008031
or 6013440 or 6023540 or 6037137 or 6048732
or 6063581 or 6074616),pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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Q. J. Hew 6/20/05

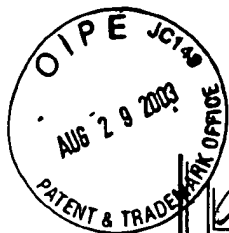


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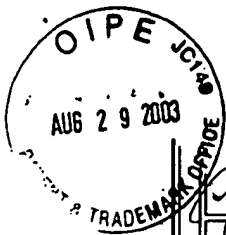
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Remarks

Note: Remarks are not for responding to an office action.

Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert and Goetzel, P.C. Deposit Account No. 50-1505/5119-00543/EBM.

Signature

Examiner Name	Date
<i>R. Row</i>	6/20/05



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of
Invention

METHOD AND APPARATUS FOR THE CONFINEMENT OF
MATERIALS IN A MICROMACHINED CHEMICAL SENSOR
ARRAY

Application Number: 10/072800



Confirmation Number: 6961

First Named Applicant: John McDevitt

Attorney Docket Number: 5119-00543

Art Unit: 1645

Examiner: Unknown Unknown

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

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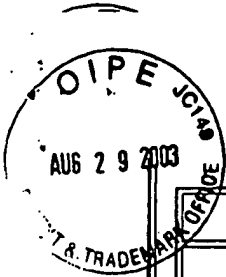
Remarks

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Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert and Goetzel, P.C. Deposit Account No. 50-1505/5119-00543/EBM.

Signature

Q/Ran 6/20/05



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Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DKT. NO. 5119-00543 APPLICANT: McDevitt et al. FILING DATE: January 31, 2002		SERIAL NO.: 10/072,800 GROUP: 1645 / 1641 CONFIRMATION NO: 6961	
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	A11	99/18434	4/15/1999	WO	
	A12	10332593	12/18/1998	JP	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>al</i> <i>9</i>	A13	International Search Report, Application No. PCT/US02/03275, mailed May 7, 2003.			
	A14	"Biosensors respond with colored light," Science News, Vol. 152, November 15, 1997, p. 317.			
	A15	Adler, M; Nicholson, J.D.; Hackley, B.E., Jr. "Efficacy of a novel metalloprotease inhibitor on botulinum neurotoxin B activity" FEBS Lett., 1998, 429, 234-238.			
	A16	Barany, F. PCR Methods and Applications, 1991, 1, 5-16.			
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	A18	Deng, G.; James, T.D.; Shinkai, S.J. Am. Chem. Soc. 1994, 116, 4567-4572.			
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	A20	Goldrick, M.M.; Kimball, G.R.; Liu, Q.; Martin, L.A.; Sommer, S.S.; Tseng, J.Y.H.; "Nirca™-A Rapid Robust Method for Screening for Unknown Point Mutations", BioTechniques, 1996, 21, 106-112.			
	A21	Grate et al., "Hydrogen Bond Acidic Polymers for Surface Acoustic Wave Vapor Sensors and Arrays," Analytical Chemistry, Vol. 71, No. 5, March 1, 1999, pp. 1033-1040.			

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DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Information Disclosure Statement--PTO 1449 (modified)

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DKT. NO. 5119-00543

APPLICANT: McDevitt et al.

FILING DATE: January 31, 2002

SERIAL NO.: 10/072,800

GROUP: 1645 (241)

CONFIRMATION NO: 6961

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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	A23	Hamasaki, K.; Ikeda, H.; Nakamura, A.; Ueno, A.; Toda, F.; Suzuki, I.; Osa, T. "Fluorescent Sensors of Molecular Recognition. Modified Cyclodextrins Capable of Exhibiting Guest-Responsive Twisted Intramolecular Charge Transfer Fluorescence", J. Am. Chem. Soc., 1993, 115, 5035-5040. And reference 5 therein.
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	A38	Khanna, P.L., Ullman, E.F. "4', 5' - Dimethoxyl-6-carboxyfluorescein; A novel dipole-dipole coupled fluorescence energy transfer acceptor useful for fluorescence immunoassays", Anal. Biochem. 1980, 108, 156-161.

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	A40	Kondo, K.; Shiomi, Y.; Saisho, M.; Harada, T.; Shinkai, S. Tetrahedron. 1992, 48, 8239-8252.
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Information Disclosure Statement--PTO 1449 (modified)

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5119-00543	SERIAL NO.: 10/072,800
	APPLICANT: McDevitt et al.	GROUP: 1645
	FILING DATE: January 31, 2002	CONFIRMATION NO: 6961

U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A57	Sandanayake, K.R.A.S.; Shinkai, S.J. Chem. Soc., Chem. Commun. 1994, 1083-1084.
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A59	Shinkai, S.; Tsukagohsi, K.; Ishikawa, Y.; Kunitake, T.J. Chem. Soc. Chem. Commun. 1991, 1039-1041.
A60	Shiomi, Y.; Saisho, M.; Tsukagoshi, K.; Shinkai, S.J. Chem. Soc. Perkin Trans I 1993, 2111-2117.
A61	Shone, C.C.; Roberts, A.K., "Peptide substrate specificity and properties of the zincendopetidase activity of botulinum type B neurotoxin", Eur. J. Biochem., 1994, 225, 263-270.
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Information Disclosure Statement--PTO 1449 (modified)

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DKT. NO. 5119-00543 APPLICANT: McDevitt et al. FILING DATE: January 31, 2002		SERIAL NO.: 10/072,800 GROUP: 1645/641 CONFIRMATION NO: 6961		
U.S. PATENT DOCUMENTS							
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	F1	6039889 B1	10/30/2001	Cutler et al.			
	F2	4681742	07/21/1987	Johnson et al.			
	F3	2001/002984	07/07/2001	Vetter			
FOREIGN PATENT DOCUMENTS							
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	F4	01/55701	8/2/2001	WO			
	F5	94/19690	9/1/1994	WO			
	F6	01/28681	4/26/2001	WO			
	F7	00/20117	4/13/2000	WO			
	F8	99/67024	12/29/1999	WO			
	F9	2 300 258	10/30/1996	GB			
	F10	339 623	11/2/1989	EP			
	F11	00/4372	7/27/2000	WO			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							

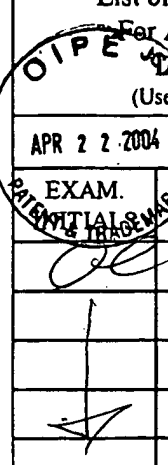
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U.S. PATENT DOCUMENTS							
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[Signature]	AB1	5854684	12/29/1998	Stabile et al.			
[Signature]	AB2	5945334	8/31/1999	Besemer et al.			
[Signature]	AB3	5637469	6/10/1997	Wilding et al.			
[Signature]	AB4	5677195	10/14/1997	Winkler et al.			

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EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
[Signature]	AB5	98/25701	6/18/1998	WO			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
[Signature]	AB6 International Search Report for PCT/US99/16162 mailed November 26, 1999.
[Signature]	AB7 International Search Report for PCT/US00/19302 mailed February 22, 2001.
[Signature]	AB8 International Search Report for PCT/US00/19351 mailed February 22, 2001.
[Signature]	AB9 International Search Report for PCT/US00/19350 mailed February 22, 2001.
[Signature]	AB10 International Search Report for PCT/US01/03141 mailed October 19, 2001.
[Signature]	AB11 International Search Report for PCT/US01/03139 mailed May 7, 2001.
[Signature]	AB12 International Search Report for PCT/US01/03240 May 7, 2001.
[Signature]	AB13 International Search Report for PCT/US01/03241 mailed May 7, 2001.
[Signature]	AB14 International Search Report for PCT/US02/3277 mailed February 13, 2003.
[Signature]	AB15 International Search Report for PCT/US02/3275 mailed May 7, 2003.
[Signature]	AB16 International Search Report for PCT/US03/12951 mailed October 14, 2003.
[Signature]	AB17 International Search Report for PCT/US03/23131 mailed December 12, 2003.

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List of Patents and Publications

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ATTY. DKT. NO. 5119-00543

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EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
<i>AB</i>	AB18	01/06239	01/25/2001	WO	 	 	

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U.S. PATENT DOCUMENTS							
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AC1	5587128	12/24/1996	Wilding et al.			
	AC2	5985120	11/16/1999	Cholli et al.			
FOREIGN PATENT DOCUMENTS							
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
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	AC3	Dickinson et al., "Convergent, Self-Encoded Bead Sensor Arrays in the Design of an Artificial Nose", Anal. Chem., June 1, 1999, vol. 71, no. 11, pp. 2192-2198.					
	AC4	Written Opinion, Application No. PCT/US99/16162, mailed May 2, 2000.					
	AC5	International Preliminary Examination Report, Application No. PCT/US99/16162, mailed October 12, 2000.					
	AC6	International Preliminary Examination Report, Application No. PCT/US00/19302, mailed October 12, 2001.					
	AC7	International Preliminary Examination Report, Application No. PCT/US00/19351, mailed August 14, 2001.					
	AC8	International Preliminary Examination Report, Application No. PCT/US00/19350, mailed August 14, 2001.					
	AC9	Examiner's Report, Australian Application No. 53165/99, mailed May 2, 2002.					
	AC10	Examiner's Report, Australian Application No. 53165/99, mailed May 5, 2003.					
	AC11	International Search Report Application No. PCT/US01/03316, mailed May 7, 2001.					
	AC12	Written Opinion, Application No. PCT/US01/03240, mailed January 22, 2002.					
	AC13	International Preliminary Examination Report Application No. PCT/US01/03240, mailed June 6, 2002.					
	AC14	Office Communication, European Application No. 00975164.5, mailed June 4, 2003.					
	AC15	Office Communication, European Application No. 00975164.5, mailed February 11, 2004.					
	AC16	Examiner's Report, Australian Application No. 13255/01, mailed September 3, 2003.					
	AC17	Office Communication, European Application No. 01905306.5, mailed January 23, 2003.					
	AC18	Office Communication, European Application No. 01905306.5, mailed February 16, 2004.					

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	AC19	European Search Report, Application No. 02713535.9-2404-US0203275, mailed February 18, 2004.
	AC20	Written Opinion, Application No. PCT/US03/23131, mailed February 24, 2004.
	AC21	International Preliminary Examination Report, Application No. PCT/US03/23131, mailed May 18, 2004.
	AC22	Office Action for U.S. Application No. 09/287,248 mailed May 9, 2001.
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	AC26	Office Action for U.S. Application No. 09/287,248 mailed March 11, 2003.
	AC27	Office Action for U.S. Application No. 09/287,248 mailed August 18, 2003.
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	AC29	Office Action for U.S. Application No. 09/354,882 mailed October 3, 2001.
	AC30	Office Action for U.S. Application No. 09/354,882 mailed May 8, 2002.
	AC31	Office Action for U.S. Application No. 09/354,882 mailed January 17, 2003.
	AC32	Office Action for U.S. Application No. 09/616,355 mailed March 15, 2002.
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	AC34	Office Action for U.S. Application No. 09/616,482 mailed October 3, 2001.
	AC35	Office Action for U.S. Application No. 09/616,482 mailed March 27, 2002.
	AC36	Office Action for U.S. Application No. 09/616,482 mailed August 1, 2002.

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	AC37	Office Action for U.S. Application No. 09/616,731 mailed June 28, 2004.
	AC38	Office Action for U.S. Application No. 09/775,342 mailed October 2, 2002.
	AC39	Office Action for U.S. Application No. 09/775,342 mailed February 14, 2003.
	AC40	Office Action for U.S. Application No. 09/775,342 mailed August 13, 2002.
	AC41	Office Action for U.S. Application No. 09/775,340 mailed July 29, 2002.
	AC42	Office Action for U.S. Application No. 09/775,340 mailed October 25, 2002.
	AC43	Office Action for U.S. Application No. 09/775,340 mailed April 22, 2003.
	AC44	Office Action for U.S. Application No. 09/775,344 mailed April 16, 2004.
	AC45	Office Action for U.S. Application No. 09/775,353 mailed February 5, 2002.
	AC46	Office Action for U.S. Application No. 09/775,353 mailed October 2, 2002.
	AC47	Office Action for U.S. Application No. 09/775,048 mailed February 6, 2002.
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	AC50	Office Action for U.S. Application No. 09/775,343 mailed May 10, 2004.
	AC51	Michael et al., "Making Sensors out of Disarray: Optical Sensor Microarray", SPIE, 1998, vol. 3270, pp. 34-41.

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